

Beclin 1 Antibody
Catalog # ASM10490**Specification**

Beclin 1 Antibody - Product Information

Application	WB, ICC
Primary Accession	Q14457
Other Accession	NP_001300927.1
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal

Description

Rabbit Anti-Human Beclin 1 Polyclonal

Target/Specificity

Predicted molecular weight at ~51kDa.

Other Names

APG6 Antibody, BCL-2 interacting protein beclin Antibody, Beclin 1 autophagy related Antibody, BECN1 Antibody, BECN1_HUMAN Antibody, GT197 Antibody, VPS30 Antibody

Immunogen

Synthetic peptide from the C-terminus of human Beclin 1

Purification

Peptide Affinity Purified

Storage **-20°C****Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C****Certificate of Analysis**

A 1:1000 dilution of SPC-601 was sufficient for detection of Beclin1 on 293T lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.

Cellular Localization

Cytoplasm | Golgi apparatus | Trans-Golgi network membrane| Endosome | Endoplasmic reticulum membrane | Mitochondrion | Mitochondrion membrane | Cytoplasmic vesicle | Autophagosome

Beclin 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Beclin 1 Antibody - Images

Beclin 1 Antibody - Background

Beclin 1 is the mammalian ortholog of the yeast autophagy -related gene Atg6. It regulates autophagy and has an important role in development, tumorigenesis and neurodegeneration (1). Beclin 1 is localized within cytoplasmic structures including the mitochondria, yet overexpression reveals some nuclear staining (2). Researchers have found that schizophrenia is associated with low levels of Beclin-1 in the hippocampus (3). It may also protect against infection by a neurovirulent strain of Sindbis virus (4).

Beclin 1 Antibody - References

1. Zhong Y., et al. (2009) Nat Cell Biol. 11(4): 468-476.
2. Liang X.H., et al. (2001) Cancer Res. 61: 3443-3449.
3. Merenlender-Wagner A., et al. (2013) Mol. Psychiatry 20:126-132.
4. Liang X.H., et al. (1998) J Virol. 72: 8586-8596.